



DESHABANDHU MAHAVIDYALAYA, CHITTARANJAN

NAAC Accredited B + College

(Affiliated to Kazi Nazrul University)

Recognised Under Section 2(f) & 12(B) of UGC

P.O. – Chittaranjan, District – Paschim Bardhaman, West Bengal,

India, PIN – 713 331

Title of the Event: Quantitative Research Mastery: Key Statistical Techniques

No. of Registered Participants: 12

(Shampa Banerjee, Puspita Mondal, Debashis Paul, Kingshuk Roy, Nayana Kundu, Renu Ojha, Susmita Mishra Tewary, Ashim Kumar Das, Pritam Das, Prankrishna Biswas, Manisha Tamang, Allen Lama)

Date: June 11-15, 2024

Reports:

A five-day faculty development program (FDP) titled "Quantitative Research Essentials: Statistical Analysis for Research Excellence," organized by the Internal Quality Assurance Cell (IQAC) at Deshabandhu Mahavidyalaya Chittaranjan, started on June 11, 2024 at 11:00 am in Iswarchandra Vidyasagar Seminar Hall. The event had a large turnout of staff, students, and interested individuals from nearby institutions. Twelve faculty members registered as participants for the workshop. The inauguration was attended by Dr. Tridib Santapa Kundu, Hon'ble Principal of the College, and Dr. Apurbo Kumar Roy, Coordinator IQAC. Dr. Kundu began the workshop with a session on the basic principles of research, highlighting the importance of ethical considerations and problem formulation.

On the first day, the focus was on quantitative research and basic statistics. Dr. Kundu explained the role of statistical analysis in research and the importance of data-driven decision-making, followed by a practical session on descriptive statistics.

The second day covered probability distributions and sampling techniques. Dr. Soumitra Roy, Associate Professor of English, Kazi Majrul Mahavidyalaya, Churuliya explained normal, binomial, and Poisson distributions and discussed various sampling methods and designing sampling plans for research studies. The third day featured Dr. Mijanur Rahman Sheikh, Head of Mathematics, Kazi Najrul University, Asansol, who taught inferential statistics and hypothesis testing. He provided practical examples and hands-on practice with t-tests and ANOVA, highlighting the assumptions and limitations of these tests.

On the fourth day, Dr. Sajal Bandyopadhyay, Dean of Arts, KNU focused on collecting and analyzing numerical data in humanities research. Participants engaged in group exercises to conduct small field survey and case analysis and analyze the inputs in research datasets. The final day of the workshop covered advanced topics in quantitative research. Prof. (Dr.) Jitendra Nath Roy, Head, Department of Physics, KNU introduced multivariate analysis techniques like factor analysis, cluster analysis, and discriminant analysis. The afternoon session emphasized data interpretation and reporting, where participants learned to effectively communicate their research findings.

Participants delivered short presentations on predetermined topics, followed by an interactive question-answer session. At the end of the workshop, participants received Certificates of Participation for their active engagement and dedication. The event concluded with a formal



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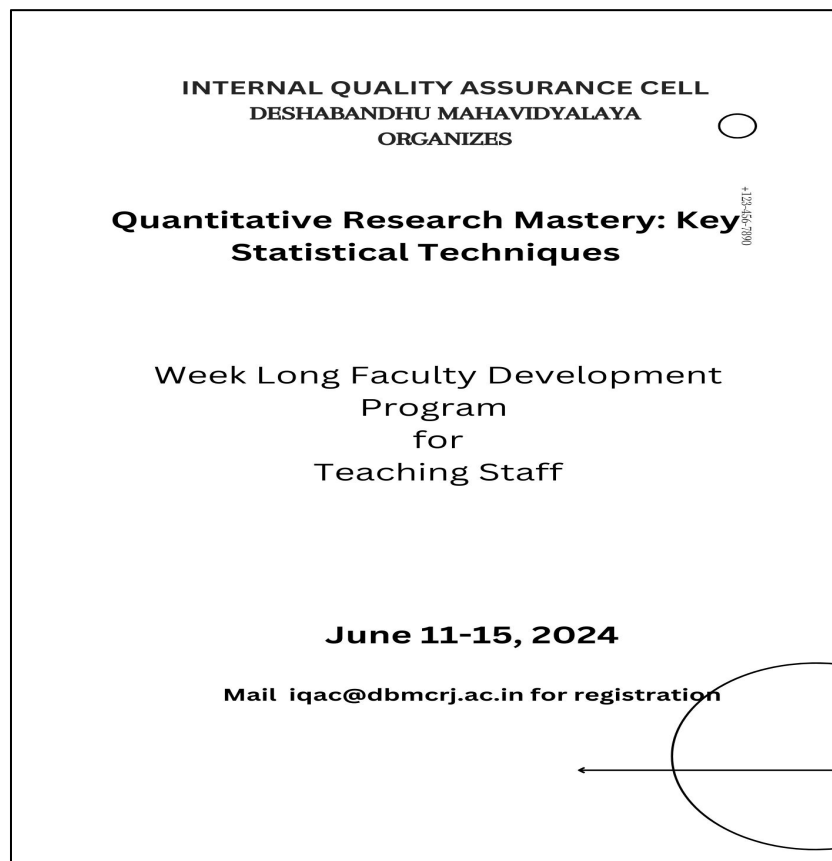
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vote of thanks from Dr. Apurbo Kumar Roy, the Coordinator of the IQAC, expressing gratitude to everyone involved in making the workshop a success.

Flyer:



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(Tridib Santapa Kundu)
Principal
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Deshabandhu Mahavidyalaya
Chittaranjan